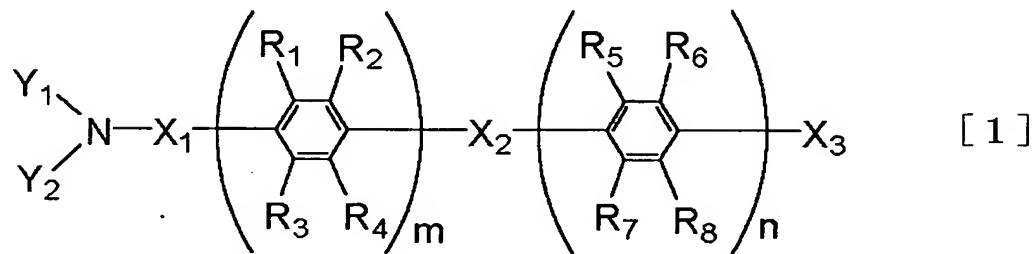


CLAIMS

1. A monoamino compound represented by the following general formula [1]:



(wherein X_1 and X_2 represent divalent groups respectively selected from the group consisting of a substituted or unsubstituted alkylene group,
10 aralkylene group, arylene group and heterocyclic group; and an alkylene group, an aralkylene group, an alkenylene group, an amino group, a silyl group, a carbonyl group, an ether group and a thioether group, each of which has a coupling group including a substituted or unsubstituted arylene group or a
15 divalent heterocyclic group, in which X_1 and X_2 may be identical with or different from each other, and also X_1 and X_2 may be directly bonded with each other;
19 X_3 represents a group selected from the group consisting of a hydrogen atom, a halogen group, and substituted or unsubstituted alkyl group, aralkyl group, aryl group, and heterocyclic group, in which
20 X_3 may be identical with or different from X_1 or X_2 ;

Y₁ and Y₂ represent groups respectively selected from the group consisting of a substituted or unsubstituted alkyl group, aralkyl group aryl group and heterocyclic group; a substituted or

5 unsubstituted alkylene group, aralkylene group, alkenylene group, amino group, and silyl group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group; and an unsubstituted carbonyl

10 group, ether group, and thioether group, each of which has a coupling group consisting of a substituted or unsubstituted arylene group or a divalent heterocyclic group, in which Y₁ and Y₂ may be identical with or different from each other;

15 Y₁ and Y₂, or X₁, Y₁, and Y₂ may be bonded with each other to form a ring;

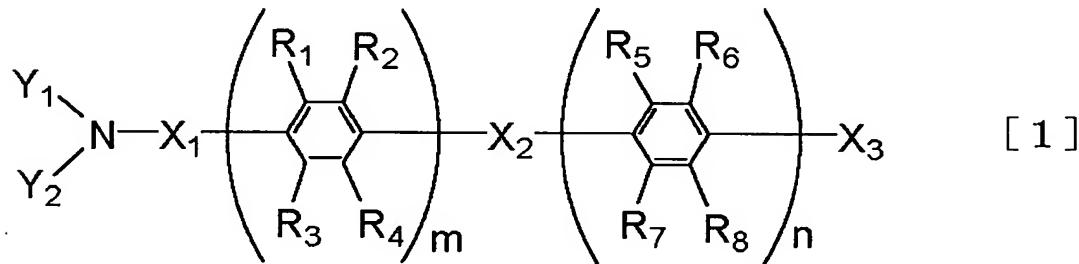
R₁ to R₈ represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, and a substituted or unsubstituted

20 alkyl group, aralkyl group, and aryl group, in which R₁ to R₈ may be identical with or different from each other; and

m + n denotes an integer number of 4 to 10 when all of R₁ to R₈ are hydrogen atoms, and X₁ and X₂ are

25 directly bonded with each other, and X₃ is a hydrogen atom, or denotes an integer number of 1 to 10 under the other conditions.)

2. An organic luminescence device comprising at least a pair of electrodes including an anode and a cathode and one or a plurality of layers containing an organic compound sandwiched between the pair of 5 electrodes, wherein at least one of the layers containing the organic compound contains at least one of compounds represented by the following general formula [1]:



10 (wherein X_1 and X_2 represent divalent groups respectively selected from the group consisting of a substituted or unsubstituted alkylene group, aralkylene group, arylene group and heterocyclic group; and an alkylene group, an aralkylene group, an 15 alkenylene group, an amino group, a silyl group, a carbonyl group, an ether group and a thioether group, each of which has a coupling group including a substituted or unsubstituted arylene group or a divalent heterocyclic group, in which X_1 and X_2 may be identical with or different from each other, and also 20 X_1 and X_2 may be directly bonded with each other; X_3 represents a group selected from the group consisting of a hydrogen atom, a halogen group, and

substituted or unsubstituted alkyl group, aralkyl group, aryl group, and heterocyclic group, in which X_3 may be identical with or different from X_1 or X_2 ;

Y₁ and Y₂ represent groups respectively selected
5 from the group consisting of a substituted or
unsubstituted alkyl group, aralkyl group, aryl group
and heterocyclic group; a substituted or
unsubstituted alkylene group, aralkylene group,
alkenylene group, amino group, and silyl group, each
10 of which has a coupling group including a substituted
or unsubstituted arylene group or a divalent
heterocyclic group; and an unsubstituted carbonyl
group, ether group, and thioether group, each of
which has a coupling group including a substituted or
15 unsubstituted arylene group or a divalent
heterocyclic group, in which Y₁ and Y₂ may be
identical with or different from each other;

Y₁ and Y₂, or X₁, Y₁, and Y₂ may be bonded with
each other to form a ring;

20 R₁ to R₈ represent groups respectively selected
from the group consisting of a hydrogen atom, a
halogen group, and a substituted or unsubstituted
alkyl group, aralkyl group, and aryl group, in which
R₁ to R₈ may be identical with or different from each
25 other; and

m + n denotes an integer number of 4 to 10 when
all of R₁ to R₈ are hydrogen atoms, and X₁ and X₂ are

directly bonded with each other, and X_3 is a hydrogen atom, or denotes an integer number of 1 to 10 under the other conditions.)

5 3. An organic luminescence device according to
Claim 2, wherein the layer containing the compound
represented by the general formula [1] contains at
least one of the compounds represented by the
following general formula [2]:



10

(wherein Ar_1 to Ar_3 represent groups respectively selected from the group consisting of a substituted or unsubstituted aryl group and heterocyclic group, in which Ar_1 to Ar_3 may be identical with or different from each other, or one of them may be a hydrogen atom, a substituted or unsubstituted alkyl group, or a substituted or unsubstituted aralkyl group; and R_9 to R_{11} represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, 15 substituted or unsubstituted alkyl group and aralkyl group, a substituted amino group, and a cyano group.)

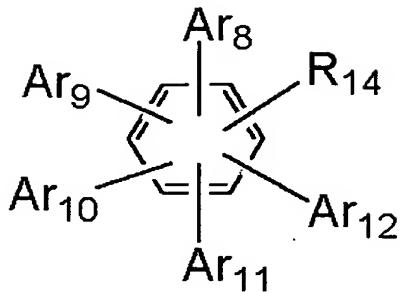
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4. An organic luminescence device according to
Claim 2, wherein the layer containing the compound
represented by the general formula [1] contains at
least one of the compounds represented by the
5 following general formula [3]:



(wherein Ar₄ to Ar₇ represent groups respectively
selected from the group consisting of a substituted
or unsubstituted aryl group and heterocyclic group,
10 in which Ar₄ to Ar₇ may be identical with or different
from each other; and R₁₂ and R₁₃ represent groups
selected from the group consisting of a hydrogen atom,
a halogen group, substituted or unsubstituted alkyl
group and aralkyl group, a substituted amino group,
15 and a cyano group.)

5. An organic luminescence device according to
Claim 2, wherein the layer containing the compound
represented by the general formula [1] contains at
20 least one of the compounds represented by the
following general formula [4]:

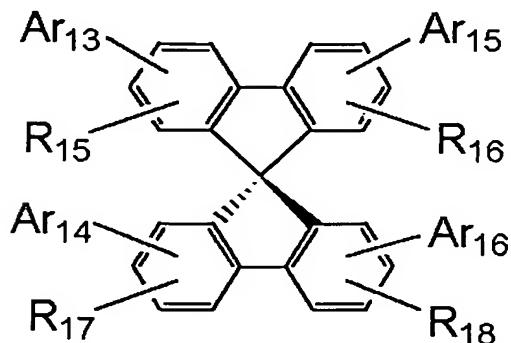


[4]

(wherein Ar₈ to Ar₁₂ represent groups respectively selected from the group consisting of a substituted or unsubstituted aryl group and heterocyclic group,

5 in which Ar₈ to Ar₁₂ may be identical with or different from each other; and R₁₄ represents a group selected from the group consisting of a hydrogen atom, a halogen group, substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group, a substituted amino group, and a cyano group.)

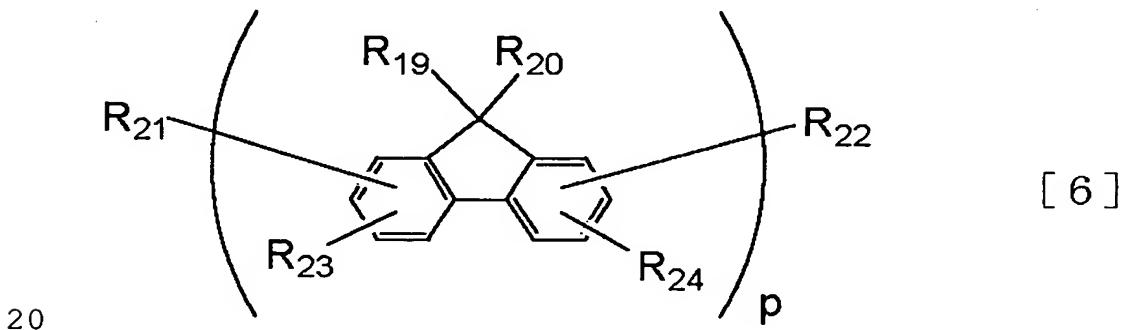
6. An organic luminescence device according to
Claim 2, wherein the layer containing the compound
represented by the general formula [1] contains at
15 least one of the compounds represented by the
following general formula [5]:



[5]

(wherein Ar_{13} to Ar_{16} represent groups respectively selected from the group consisting of a substituted or unsubstituted aryl group and heterocyclic group, in which Ar_{13} to Ar_{16} may be identical with or 5 different from each other, or at most three of Ar_{13} to Ar_{16} may be a hydrogen atom, a substituted or unsubstituted alkyl group, or a substituted or unsubstituted aralkyl group; and R_{15} to R_{18} represent groups respectively selected from the group 10 consisting of a hydrogen atom, a halogen group, substituted or unsubstituted alkyl group, aralkyl group, aryl group and heterocyclic group, a substituted amino group, and a cyano group.)

15 7. An organic luminescence device according to
Claim 2, wherein the layer containing the compound
represented by the general formula [1] contains at
least one of the compounds represented by the
following general formula [6]:



20

(wherein R_{19} and R_{20} represent groups respectively selected from the group consisting of a hydrogen atom,

and substituted or unsubstituted alkyl group, aralkyl group, and aryl group, in which the R₁₉ groups or the R₂₀ groups bonded with different fluorene groups may be identical with or different from each other, and

5 R₁₉ and R₂₀ bonded with the same fluorene group may be identical with or different from each other; and

R₂₁ to R₂₄ represent groups respectively selected from the group consisting of a hydrogen atom, a halogen group, substituted or unsubstituted alkyl group, aralkyl group, and alkoxy group, a substituted silyl group, and a cyano group; and p is an integer number of 2 to 10.)

8. An organic luminescence device according to

15 Claim 2, wherein the layer containing the compound represented by the general formula [1] is provided as a luminescent layer.